

Status of IGFAEDB and MdM monitor

Marcos Seco

IGFAE, Universidade de Santiago de Compostela

January 10, 2019



1 IGFAEDB

- Information Stored and its Status
- DB status

2 MdM monitor

DB

Why the need for a DB

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Why the need for a DB

- Project Applications

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- Project Applications
- Project Justifications

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Why the need for a DB

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- Personnel Directory

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- Keep track of metrics for the MdM (MdM Monitor)

Why the need for a DB

- Project Applications
- Project Justifications
- Personnel Directory
- Keep track of metrics for the MdM (MdM Monitor)
- Feed information to the web page

Personnel

Personnel

PersonnelID SMALLINT(6)
Name VARCHAR(45)
Phone VARCHAR(9)
EMail VARCHAR(45)
Webpage VARCHAR(45)
IDCard VARCHAR(15)
ResearchId VARCHAR(45)
Orcid VARCHAR(45)
Scopus VARCHAR(45)
CategoryID TINYINT(4)
Gender TINYINT(1)
IDCardScan VARCHAR(45)
BirthDate DATE
Surname VARCHAR(45)
Mobile VARCHAR(9)
StartingDate DATE
EndDate DATE
LocationID INT(11)
PreferredNameForm VARCHAR(45)
FileID INT

Indexes ▶

Triggers ▶

- Stores:

- Name, Surname, ID card #,...
- Scientific ID's (Scopus, ResearcherID, ...)
- Office, Phone #,E-mail, RL, ...

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 - Some **optional Data**: Mobile, Birth date, ...
 - Keeps an **historical record**.
- Sources: PI's, Department's Secretary, Personnel
- Status:
 - **Almost Complete**
 - **Missing Ph.D. Students from 2018**

Projects

Projects
ProjectID SMALLINT(6)
ProjectTitle VARCHAR(250)
ProjectReference VARCHAR(45)
InitialDate DATE
FinalDate DATE
BudgetLine VARCHAR(45)
TotalAmount DECIMAL(10,2)
AmountWithoutOverheads DECIMAL(10,2)
FEDER TINYINT(1)
FinancingAgencyID INT(11)
CoordinatedID INT(11)
USCProjectReference VARCHAR(45)
IGFAEProjectReference SMALLINT(6)
DateGranted DATE
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- Stores:
 - Title, PI, Working group members,...
 - **References** (USC, Financing Agency, Internal, Budget line)
 - **Type**: European, National, FEDER, Network,....

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- Sources: PI's, OIT
- Status:
 - **Almost Complete** (all projects since 2005(?))
 - **Missing**: Date of issue, members of the working group

Articles

Articles

ArticleID SMALLINT(6)
ArticleTitle VARCHAR(250)
ArticleTitleLatex VARCHAR(350)
DOI VARCHAR(45)
LocalAuthors VARCHAR(45)
AIAAuthors MEDIUMTEXT
NumAuthors SMALLINT(6)
ArxivRef VARCHAR(45)
WebOfScienceRef VARCHAR(45)
ScopusRef VARCHAR(45)
JournalID SMALLINT(6)
Volume VARCHAR(10)
Date DATE
StartingPage VARCHAR(9)
EndingPage SMALLINT(6)
NumberOfPages SMALLINT(6)
ArticleTypeID TINYINT(4)

Indexes

- Stores:
 - Articles, proceedings and metrics
 - Title, DOI, Journal, Pub year,...
 - Journal Areas, CiteScore, Impact Factor

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ArticleID SMALLINT(6)
ArticleTitle VARCHAR(250)
ArticleTitleLatex VARCHAR(350)
DOI VARCHAR(45)
LocalAuthors VARCHAR(45)
AllAuthors MEDIUMTEXT
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ScopusRef VARCHAR(45)
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 - Articles, proceedings and metrics
 - Title, DOI, Journal, Pub year,...
 - Journal Areas, CiteScore, Impact Factor
- **Sources:** Scopus, Web of Science, Spires
- **Status:**
 - **2016 and 2017 Complete**
 - **Upcoming weeks:** 2011-2015 and those available from 2018

Outreach

DateLoc
DateLocID INT(11)
Date DATE
Place VARCHAR(200)
NumParticipants SMALLINT(6)
WebPage VARCHAR(100)
Comments VARCHAR(1024)
ActivityID TINYINT(4)
TalkID SMALLINT(6)
AudienceID TINYINT(4)

Indexes ▶

- Stores:
 - Speaker, place, # of Attendants
 - Title, Type of event, ...

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DateLoc	
DateLocID	INT(11)
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- **Stores:**
 - Speaker, place, # of Attendants
 - Title, Type of event, ...
- **Sources:** Web form available to speakers
- **Status:**
 - Missing many talks given at high schools
 - Missing historical records

Events

Events

EventID INT(11)

Speaker VARCHAR(45)

Date DATETIME

Abstract VARCHAR(2500)

EventTypeID SMALLINT(6)

LocationID INT(11)

PersonnelID SMALLINT(6)

WebPage VARCHAR(45)

UntilDate DATE

EventSubTypeID INT(11)

EventTitle VARCHAR(200)

Indexes

- Stores:
 - Conferences and Seminars
 - Title, Abstract, place, Type of event, ...

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EventID INT(11)

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Date DATETIME

Abstract VARCHAR(2500)

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- **Stores:**
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 - Title, Abstract, place, Type of event, ...
- **Sources:** Conference Organizers, Seminar's Organizer

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Speaker VARCHAR(45)

Date DATETIME

Abstract VARCHAR(2500)

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 - Title, Abstract, place, Type of event, ...
- **Sources:** Conference Organizers, Seminar's Organizer
- **Status:**
 - Missing seminars before summer and some conferences
 - Missing historical records (upcomming weeks)

Theses

Theses

ThesesID SMALLINT(6)

Title VARCHAR(250)

DefenseDate DATE

ThesisTypeID TINYINT(4)

AreaID TINYINT(4)

MarkID TINYINT(4)

PersonnelID SMALLINT(6)

Indexes

- Stores:
 - Defense Date, qualification, title, Advisor(s)..
 - Type: European, International

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DefenseDate DATE

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• Type: European, International
- **Sources:** Department's secretary
- **Status:** Complete until 2018

Presentations at Conferences

Presentations

PresentationID INT2

ConferencesID INT2

PresentationTypeID INT1

Installment INT1

RefArxiv VARCHAR(45)

WebOfScienceRef VARCHAR(45)

ScopusRef VARCHAR(45)

Date VARCHAR(45)

Place VARCHAR(200)

PresentationsTitle VARCHAR(100)

ArticleID SMALLINT(6)

Indexes

- Stores:
 - Conference Name, place, Date,...
 - Presentation title, speaker
 - Information about the article in the proceedings.

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ConferencesID INT2
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Installment INT1
RefArxiv VARCHAR(45)
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- Stores:
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 - Information about the article in the proceedings.
- Sources: Speakers
- Status: **Empty**

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 - **MdM monitor**
- Improvements:
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 - **Finishing** python **API**
 - Implement a **REST** interface

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 - Personnel
 - Outreach Events

MdM monitor

Nº	Indicator	Base line 2012-2015	2017				2018				Tendencia	Expected outcomes (at the end of 2020)
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
1	Nº publications IF>5	400 publications with IF>5	0	0	26	0	0	0	0	0		To reach at least 400 publications with IF>5
2	Nº publications IF>10	220 publications with IF>10	0	0	123	0	0	0	0	0		To reach 250 publications with IF>10
3	Nº of Q1 publications	397 publications in the Q1	0	0	150	0	0	0	0	0		To reach at least 450 publications in the Q1
4	Nº of international projects	8 international projects	0	0	0	0	0	0	0	0		To coordinate at least 2 international projects. To participate in at least 12 international projects (ERC, H2020, etc.)
5	Nº of PhD students trained	36 PhD students trained	30	30	33	32	28	28	27	27		To train 40 PhD students
6	Nº of Post Docs involved in IGFAE activities	15 Post Docs involved	14	14	14	13	11	12	13	11		20 Post Docs involved
7	Nº of Junior Group Leader	8 Jr. Group Leaders (7 male and 1 female)	3	3	3	3	3	3	3	5		To recruit 4 Jr. Group Leaders: at least 1 female
8	Nº of new professionals	Current support staff, 8 professionals	8	8	8	8	7	8	8	8		To recruit 2 professionals; 1 COO and 1 technician
9	Nº of students on mobility	40 mobility events, for PhD and Post Doc students	-1	-1	-1	-1	-1	-1	-1	-1		To reach 50 mobility events, for PhD and Post Doc students
10	Nº of granted patents,		0	0	0	0	0	0	0	0		To obtain at least 3 granted patents
11	€ obtained from Technology Transfer	0,01 M€ Technology Transfer Contracts with industry	0	0	0	0	0	0	0	0		0,5 M€ Technology Transfer Contracts with industry
12	€ obtained from competitive financial sources	1,91 M€ from competitive sources	1,00000	0	200000	0	140360	0	0	0		2,75 M€ from competitive sources
13	Nº of international partnerships	3 consolidated international partnerships	-1	-1	-1	-1	-1	-1	-1	-1		To build at least new 3 consolidated international partnerships
14	Nº of IGFAE staff leading international network	4 IGFAE senior researchers leading international projects	-1	-1	-1	-1	-1	-1	-1	-1		At least 4 IGFAE senior researchers leading new international projects
15	Nº of attendants at Symposium	--	0	0	0	0	0	0	0	0		More than 150 attendees at Symposium
16	Nº of attendants at outreach activities	1.000 attendees in all the outreach activities	110	75	0	0	90	270	32	406		To receive at least 1.500 attendees in all the outreach activities
17	Nº of outreach activities	100 outreach activities	2	1	1	0	2	2	1	9		125 outreach activities